

## **CLAIM AMENDMENTS**

### **Claim Amendment Summary**

#### **Claims pending**

- Before this Amendment: Claims 1-37.
- After this Amendment: Claims 1-37.

**Previously Canceled Claims:** None.

**Claims Canceled Herein:** None.

**Claims Amended Herein:** Claims 1, 12, 20, 26, 33, 35 and 36.

**New claims:** None.

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### **Claims:**

1. **(Currently Amended)** A computer-implemented method for processing data, the method comprising:

~~in an operating environment supporting a pipeline of a plurality of object-based commands, a subsequent object-based command within the pipeline being configured to communicate with a prior object-based command within the pipeline through a parseable object emitted from the prior object-based command, the operating environment configured to support the execution of the object-based commands within the same process;~~

receiving the a parseable object emitted from the a prior object-based command within a pipeline comprising a plurality of object-based commands, the prior object-based command being one of the plurality of object-based commands, such that a subsequent object-based command within the pipeline which receives the parseable object is configured to

communicate with the prior object-based command within the pipeline through the parseable object emitted from the prior object-based command, wherein the parseable object having includes at least one method, and wherein an operating environment that supports the pipeline of the plurality of object-based commands is configured to support execution of the object-based commands within the same process;

obtaining a data type for the parseable object;

obtaining format information describing a format for the data type;

and

emitting a format object for access by another subsequent object-based command, the format object being based on the format information.

**2. (Original)** The computer-implemented method of claim 1, wherein obtaining format information comprises accessing an XML-based document.

**3. (Previously Presented)** The computer-implemented method of claim 1, wherein the subsequent object-based command comprises an output command configured to render results of the pipeline based on the received parseable object and the format object.

**4. (Original)** The computer-implemented method of claim 3, wherein the rendering of the results comprises displaying on a console.

**5. (Original)** The computer-implemented method of claim 3, wherein the rendering of the results comprises importing the results into an application.

**6. (Original)** The computer-implemented method of claim 3, wherein the rendering of the results comprises displaying in a graphical user interface.

**7. (Previously Presented)** The computer-implemented method of claim 1, wherein the other subsequent object-based command comprises a markup command configured to add property annotation to selected parameters within the parseable object and emitting these property annotations for input by further subsequent object-based commands in the pipeline.

**8. (Previously Presented)** The computer-implemented method of claim 1, wherein the other subsequent object-based command comprises a convert command configured to convert the received parseable object into a specific format.

**9. (Original)** The computer-implemented method of claim 8, wherein the specific format comprises an XML document, an Active Directory Object, or a comma separated value format.

**10. (Previously Presented)** The computer-implemented method of claim 8, wherein another subsequent object-based command comprises a transform command that receives the specific format from the convert command and transforms the specific format into another specific format based on a style sheet.

**11. (Original)** The computer-implemented method of claim 1, wherein the format information describes the data type and at least one of a shape, a property, or a header.

**12. (Currently Amended)** A computer readable medium including at least one tangible component and having computer-executable instructions for providing data driven output, the instructions comprising:

receiving a parseable object emitted from a prior object-based command within an operating environment that supports a pipeline of a plurality of object-based commands and that is configured to support the execution of the object-based commands within the same process, the prior object-based command being one of the plurality of object-based commands, wherein the receiving occurs as part of the pipeline of the plurality of object-based commands, such that a subsequent object-based command within the pipeline which receives the parseable object is configured to communicate with the prior object-based command within the pipeline through the parseable object emitted from the prior object-based command, the parseable object having at least one method;

~~obtaining a data type for the parseable object, the parseable object having at least one method;~~

obtaining format information describing a format for the data type;  
and

emitting a format object for access by a ~~subsequent~~ another subsequent object-based command from the plurality of object-based commands, the format object being based on the format information.

**13. (Original)** The computer readable medium of claim 12, wherein obtaining format information comprises accessing an XML-based document.

**14. (Previously Presented)** The computer readable medium of claim 12, wherein the subsequent object-based command comprises an output command configured to render results of the pipeline based on the received parseable object and the format object.

**15. (Previously Presented)** The computer readable medium of claim 12, wherein the other subsequent object-based command comprises a markup command configured to add property annotation to selected parameters within the parseable object and emitting these property annotations for input by further subsequent object-based commands in the pipeline.

**16. (Previously Presented)** The computer readable medium of claim 12, wherein the other subsequent object-based command comprises a convert command configured to convert the received parseable object into a specific format.

**17. (Original)** The computer readable medium of claim 16, wherein the specific format comprises an XML document, an Active Directory Object, or a comma separated value format.

**18. (Previously Presented)** The computer readable medium of claim 16, wherein another subsequent object-based command comprises a transform command that receives the specific format from the convert command and transforms the specific format into another specific format based on a style sheet.

**19. (Original)** The computer readable medium of claim 12, wherein the format information describes the data type and at least one of a shape, a property, or a header.

**20. (Currently Amended)** A system that supports data driven output, the system comprising:

a processor;

a memory, the memory being allocated for a plurality of computer-executable instructions which are loaded into the memory for execution by the processor, wherein upon execution of the computer-executable instructions the system being configured to:

receive a parseable object emitted from a prior object-based command within an operating environment that supports a pipeline of a plurality of object-based commands and that is configured to support the execution of the object-based commands within the same process, the prior object-based command being one of the plurality of object-based commands, wherein receiving the parseable object occurs as part of the pipeline, such that a subsequent object-based command within the pipeline which receives the parseable object is configured to communicate with the prior object-based command within the pipeline through the parseable object emitted from the prior object-based command, the parseable object having at least one method;

obtain a data type for the parseable object, ~~the parseable object having at least one method;~~

obtain format information describing a format for the data type; and

emit a format object for access by a subsequent object-based command from the plurality of object-based commands, the format object being based on the format information.



**21. (Previously Presented)** The system of claim 20, wherein the format information comprises accessing an XML-based document.

**22. (Previously Presented)** The system of claim 20, wherein the format information describes the data type and at least one of a shape, a property, or a header.

**23. (Previously Presented)** The system of claim 20, wherein the other subsequent object-based command comprises a markup command configured to add property annotation to selected parameters within the parseable object and emitting these property annotations for input by further subsequent object-based commands in the pipeline.

**24. (Previously Presented)** The system of claim 20, wherein the other subsequent object-based command comprises a convert command configured to convert the received parseable stream into a specific format.

**25. (Previously Presented)** The system of claim 20, wherein another subsequent object-based command comprises a transform command that receives the specific format from the convert command and transforms the specific format into another specific format based on a style sheet.

**26. (Currently Amended)** A method for providing a data driven command line output, the method comprising:

receiving a command-line instruction containing an output command configured to receive ~~at least one~~ a parseable object, the parseable object having at least one method, wherein the receiving occurs as part of a pipeline of a plurality of object-based commands, such that a subsequent object-based command within the pipeline which receives the parseable object is configured to communicate with a prior object-based command within the pipeline through the parseable object emitted from the prior object-based command; and

executing the output command to manipulate the ~~at least one~~ parseable object and to output a result to an output destination.

**27. (Previously Presented)** The method of claim 26, wherein the command line instruction is received and the output command is executed in an object-based command-line environment.

**28. (Previously Presented)** The method of claim 27, wherein the output command is provided by the command-line environment.

**29. (Previously Presented)** The method of claim 26, wherein outputting the result comprises displaying the results on a console.

**30. (Previously Presented)** The method of claim 26, wherein outputting the result comprises importing the results into an application.

**31. (Previously Presented)** The method of claim 26, wherein outputting the result comprises displaying the results in a graphical user interface.

**32. (Currently Amended)** The method of claim 26, further comprising another command configured to provide the ~~at least one~~ object to the output command.

**33. (Currently Amended)** The method of claim 32, wherein the other command comprises a format command configured to emit display information associated with the ~~at least one~~ object.

**34. (Previously Presented)** The method of claim 33, wherein the output command ignores the display information when outputting the result.

**35. (Currently Amended)** The method of claim 34, wherein the other command comprises a markup command configured to add a property annotation to a parameter within the ~~at least one~~ object.

**36. (Currently Amended)** The method of claim 32, wherein the other command comprises a convert command configured to convert the ~~at least one~~ object into a specific format.

**37. (Previously Presented)** The method of claim 36, wherein the specific format comprises an XML document, an Active Directory Object, or a comma separated value format.